

Appendix A

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TTGGCGGGCGATGGCGTGGAACGATGAAAACGCCGCGCGTTCTGTGTGTCGGGACAATATT
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Appendix A

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Appendix A

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AGCAACGGATTGAAATCCGTGTGTCGGCGGTTTCGATTCCGCCTCTGGCCACCAAAAAAC
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[illegible]

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ACCATTGACTGCAATCCCTGCCGGATTGGCAATAACGACTTCTGCACGTCGTCGCCCCAC
TTCAATATAGCCATTAGTTGTGAAGAATGGCTGCTGTTGATTTGGTTTACAAACCACACG
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CTGATGGCGGTCAAAGGCCGACGTGATTATTGCCAACCCCAACGGCATTACCGTTAATGCGCGCGCTTTAAAAATGTCGGTGGGGGCATTCTTAACCTACCGGTGCGCCCAATCGCCAAAGACGGTGCATCAGAGGATTGATGTGCGTCAAGGCACATTGACGTAGGAGCAGCAATTGGAATGATAAAGGGGAGCCGACTACACCGGGGTACTTGCTCGTGCAAGTTGCTTTGCAGGGAAATTACAGGGTAAAAACCTTGGCGGTTTCTACCGGTCCTCAGAAAGTAGATTACGCACGGCGCAAACTCAGTGCAGGTACGGCAGCGGTCGCATGGGCGGTATGTACGGCGACATCAGTACAGTTTGCCTAATGAAAAGGCGTAGGCGTCAAAAATCGCGCACATCGGAACGGCCAAAGCAATTGATTGTGACTTCGTACGGCCGATGTAAAACAGCGCGCGCATCGCCAACCTGCCGACGGCACCGAAGCTTACCAGCTTATCTCTCCATGAAACACCCGAAAAAGCAGCGGACGACATTTATCTCCAAATGGTGTGCGATCAGAGCAAAAGGCTTATTGGTTATGAGACGGGAGAAGATATCAGCTTGCCTAACGGAGCCGTGGTGCAGAATAACGGCAGTCCGACAGTACCCGGTATTAATGCTGGTCATAATTTGGTGATGTAGAGCAAAACTAATGTGAACAATGCCAAGGCCCGCTACTCTTGCGCCAGGCGGCTACCGTCTCAAGGAGCCAGTATTCAGACTGGCACTACCGTATACAGTTCAGCAAAAGGCAACGCCGAATTAGGCATAACACAGCATATTTGAAATCGATAACGTCGCCATATTACCGGCACAGTAAACCCCTACTGCCCTCAAAAGACATGGGTGTGGAGGCAGGTCGCTGAATGTTACCAATACCAATCTGCGTACCAACTCCGGGTAATTCGCACATCAGGCGAGCCAAAGGCAATATTCAGTCTCGCATATACCAAGCTGAAGCAGCCAAAGGCTCTGAAACCACCGCATTCAGGGCAATATCGTTTACAGCGGCTTCATGCTGTTTCTGCAGACGGTCATGTATCCTTATTGGCCAACGGTAATGCGCATTTTACCGGTACACATACCTTGACGCCAAGGCGCATGTCAATCGAGGATCGGTTGTAAGGCGCTGTGAAGCGACAGCAATAACCAATATCACTTCATCTCAGGAGATATTACGTGGTTGCGCGCAACGGTATTACGTTGGTGACGGAAAAACAACGAATTCAATCAACGGAAACACATTCAGCATCAAAAACAACGGTGGTGAATGCGCATTAAAAAACCTTAACGTCATGCGCAAGCGGGGATGAACTTACCTTCGACGGGCTTACGATGAGCAATAGAAATACCAAGTGGAGTCTACCCATAATACGCATCTTAATGCACAACACGAGCGGGTACAGCTCAACCAAGTAGATGCCCTACGCACACCGCTCATCTAAGCATTACCGGACGCCAGATTGGCAAAACGACAACCTGCTTCTGCCAACAGCTGGTGCTTACGCGTGTATTGGCACTCAATCGCGCTATTCCCAATTTGCCGACAACACACCGCTGAGAGCGGGTGCAATCAACCTTACTGCGGTTACGCCCTAGTGTCAAGCGCGGCAACATCAATTTGAGTACCGTTTTGACCAAAACTTTTGAAGATAATGCCGAATTAACCAATTGGCCGGACGGCTGAATATTGAAGCAGGTAGCGGCACATTAACCTCGAAGCTGCCAACCGCATCAGTGGCGCATACCGACCTGAGCATCAAAACAGCGCGAAATTTGCTGTTGTCTGCAAAAGGAAATGCAGGTTGCGCTTAGTGTCAAGTTTCCTCAGTGGAAAGCAAAAGGCAATATCGGCTGTGGTTTACAGGAGAAACAGATTTAAAGGTTCTAAAAATTACAGCGGTAAAAACTTTGGTTTGTCCGACCACCAAGCAAGCAAGTTGAATATCGAAGCGCTAAACAACCTCATTACGCAATTATTTTCTACAAAAAAGCGGCTGAACCTCAACCAAAATCCAAAGAATTTGAAGACAGAGATTGCGCAGTTGAAAAAAGCTCGCTCAAAAGCAGCTGTATTCACAACTGTCAAGAAGAACGCGGACGCTGCTGCTTTCTATTACAGCTATCAACAAAGAAGTTAAAGGTTAAAAAACCCAAAGGCAAGAATACCTGCAAGCGAAGCTTTCTGCACAAATATTGACTGATTGTTTCCGCACAAGGCATGAAATCAGCGGTTCCGATATTACCGCTTCCAATAAATGAACTGAACCTTACGCCGACGGCTATTGCCAAAGGCAGAGATTACAGGCGGCTGTCTATTCTGATTGACGGCATACCGCAACCAATGAAATTTGCAAGCCACCTACAAGATCCTACGACAAAGCTGCTTGAACAAGCCTTACGCTTTGACCGACGTACAGGGGTAAAGTATTCATGCAGCTGCGGCACTCGATGATGCACGTATTTATTCTGGTGCACTCGAAATCAAACTCCTCTCAGGCAGCATAGACATCAAGGCCATAGTGATATTGATCGAGGCTGGACAAACGATGCTTATACCTTCTTAAAAACCAAGGTAAGAGCGGCAAAATCATCAGAAAAACCAAGTTTACCGACGACCGGACACCGTATTATGCGACGCCCCGTCGAGTGCAGCGCAACGCGGCGATAAGCCTTCAGGACGCGGCAACATCAGAACTGCAAGCTTACACCCGCTTCAAGCTTCAGGTAAGGTTACCCCTGGTTGCGGGTGAAGAGCTGCAACTGCTGGCAGAAGAAGGCATCCACAAGCAGAGTTGGATGTTCCAAAAAAGCCGCGCTTTATCGGCATCAAGGTAGGCAAGAACAATTACAGTAAAAACGAATGAAACGAACAAATTTGCTGTCCGCTGCTGCCCCAACTGCAAGCACCCCGTTACGGCTGGGATACCGTGTCTGAAGGTACCGAATTCAAAAACCGCTGGCCCGGTGCGGACATTACGGCAGGTGTAGGCGAAAAAGCCCGTCCGATGCGAAAAATTAATCTCAAAGGCATTTGTAACCTATTCAGTCTCGGAAGCAAAATAGAAACCAATCAACCTTAGTGCGAGAAACAGGCGGACGCGGACGACATTCGAACAGCTGAAACTGCCAGCTTCGAAAGCTTACCTCCGCCAAACTCGCCCAAACTGACCGCCGCTGGCTTATCGTGCAGATTCGCGAAAGCAATTTGAAACCGAAATCGAAAAGCTGGCCAAACAGCCAGTATGCTATCTGAAACAGTCCAAGTAGGCAAAAAAGCTCAACTGGAACCAAGGTGCAACTGCTTACGATAAATGGGACTATAAGCAGGAAGGCTTAACAGAGCGGCTGACGCAATTTGTTACCATAATCGTAACCGCACTGACTTATGGATACGGCGCACCCGACGCGGCGGTGATAGCCGCTTACGAAAGTAGTACGCGCGAGCTCGGGAACAGCCGCCACAACGACAGCAGTACTACCGTTTCTACAGCGACTGCCATGCAAAACCGCTGCTTTAGCCTCCTTGTATAGCCAAGCAGCTGTATCCATCATCAATATAAAGAGTGTATGTCGGAAGCGGTTGAAAGTATCTGCGCACAGTGCATAGCGTCAACAGATTTGCTACTTGCCTTGACGGGGTGCTTAATACAGTAGGGCGAGATATTGCCAATTGAACAGCAAGGTAAGAACCGAAGTGTTCAGCAGTACGGGCAATCAAACCTATTGCCAACCCTTGGAGGACAGCTGGCTACCAATCTCAGTATCTCAGCTGGTATCATACCGCGCTAACCGCGGACGCTGAAAGTCAACGACAACTTAGACATACTAGGAGCATATGTTTAAATAGCTTCCAAGGAAAGCCGCGACGAAATCAAACCTTACGTCGATTTATGTTGCCAAACCGCTTTGGCTGGGTGTTGTAGCGGATTTGTCACAGGAAATGTAAGAGGAAATGCGGCGAGAACCTGCTTACACTCAGCATCGCGGAAAGCATAGAGTATACAGTATCGCGGAAAGCATAGAGTATACAGTATCGGAAAGCATAGAGTATCAAGGTAATCAAGTTTACAGTACTCTG

Appendix A

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CTGATGGCCAAATATATGCGGACTGTCGATGTAGGAAAAGTTATTGGTACTACTTCTATTA
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Appendix A

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CAAAGCGGCTCGGCTCGGCTCGTTGATGATGCGTTTCACGTCCAACCGCGGATACGGCC
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AAATTTGTTGGCCGATCAACGTTTGGCGGCGTAATAGTGTTTTGGCGTTGGTTACCGC
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GGCCAAACAAGAGTTGGTTGTACCTAAGTCGATACCGATTACTTTTGCCATGTGGATAAT
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GCAGGCTTCGACCAAGATATCCAAACACTTTGTTGACGCTGGTGCACCTCAATGCCACGTC
CACGCCCTTCGCCGTTGGTCAGTTTTTTCACTTCTGCAACAACATCGACTTCGGACGGGTC
GAGGATGTAGTCGCAACGCCGATTTCGCGCGCTTGTCTTTCGCTGCTTTACTCAACTC
GCTGATGATGACTTTGATGCCCTTTGGCTTCAACACGGCAGCCAACAGCAACCGATCGG

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ACCTGCACCGCCGACCAATGCGACGTCGCCTTCTTTTCGCGCCGCTGCGTACATAGGCGTG
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CAAGCCGATAAAGTTTATATCTTTGGAGAGGTGGTAGTTGCTGCCCTTCCGGTCCGTAC
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TTCGTGCAGGTGATACCGCAGATGCCGACAGGCGACATTGATGCCAGAGTGCCTGGG
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CGACATCCCCAAATCTTGGCGCAATGTTGCATAAAGAAACGCACATACCTCTGCAAAAA
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CACCACCTTGACATGGTGGGGTTCGTTGGTTCGAATCCAATCGTGCCTACCAAATCCCCA
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CGAACCGGCTTTTGTGCCCATACCGCCGAACATATCGCCAAATTCGGGAACCAACATT
GGAACAGGTTGCGGCATATACGACGGAACCTTTACCGGCTGTTAAAAAAGTACCCGA
TATGCGGACCGTCTGACCTGTACCGACGATAAGGAAACCATGAAGGCAATTATCCGT

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ATGCATGTCCGCGCTGCTGCCGGCTGCCTGCCAACACGTTTCGGACAGGCATGGCAAATT
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GGTTTGTGGCGGATTGAAACAAGAAGGCATACCGGCGACAGATAAGATTTCGCGCAAAGT
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ATGAAGTGCAGTCTGAAAACGGGTCGGCAACGCAGTCTAAAGGTGTTTTGCGCAACCAAG
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CGGGAATCAGGCGGCGGTATGCAAAATCAAAAGGGAGCGTATGGGAGGTGAGGCTGCCGA
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GGCTGTGCTCGTTTCAGACGGCATGCCGTTTCAGGGTCGACTTTTTGCAGGGTGGCGT
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GCCGGTATCGCCTGCCTGTGGGGTGCTTCGCACGGCGGTGCGAACGAAGCCGTGTTGAAA
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GCTTTATCGCCGTATCGCCCGAAGCCCGCAAAACCTTCTGGCTCGACCGCAGCCGCACCG
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CATCACCACTTTTCAATCGTTCCCGCATCGCAGGAATCAATCTCCACTCGAAGCG
GTAATCGGAAAGGGCAGGTTGGCGCGCGAGGTTTTGGTTGCATAATCTGCAATTCATG
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CCCATTATGTTTTTCCATAACCTTCCTCCTTATATATCGCGCCTCGTAAAAGGGGCGCAT
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CGATCAAACCGACGCGTGACCGGGATTGACGGTAGCGTTGGCTTTGTGAGCAGGACTT
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CGGCTTCGTTGCGCTTGCTCTGATTTTTGTTAATCCACTATACAACGTCGGTATCGGCGGC
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GGTGGAAGAAACGACACCCGATTTTCCAGTGCCTCCATCAGGTTTGCCGCGCGGTTATA
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CGTCGGGATGTTGGCTTTAATCAGGCCGTAACGACATCGACACTGGGACGTTGGGTGGC
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Appendix A

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